

Application Serial No. 09/889,079
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Listing of the Claims:

Claims 1-11 (Canceled)

12. (Currently Amended) A motor vehicle wiper gear motor comprising:

a core motor attached to a reduction gear base, the core and base having metal mating flanges with outer peripheries protruding away from the core and the base, respectively; and

a joint interposed between the core and the base, the joint being diamond-shaped with lugs, the joint having a circular opening at its center, the joint including a sealing material means for reducing the gear motor noise and at least one metal element as a stop means for precise positioning of the core and the base, included in the sealing material in electrically-conductive contact with metal parts of the core and the base, the at least one metal element operable to conduct electrical current between the core and the base to maintain a uniform electric potential in the core and the base.

13. (Previously Presented) The gear motor according to claim 12 further comprising:

a fixation orifice adjoining the metal element.

14. (Previously Presented) The gear motor according to claim 12, wherein the metal element is embedded in the sealing material.

15. (Previously Presented) The gear motor according to claim 12 further comprising:

two metal elements, being disjointed from one another.

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16. (Currently Amended) A motor vehicle wiper gear motor comprising:

a core motor attached to a reduction gear base, the core and base having metal mating flanges with outer peripheries protruding away from the core and the base, respectively;

a diamond shaped joint interposed between the core and the base, the diamond shaped joint including a sealing material means for reducing the gear motor noise and at least one metal element as a stop means for precise positioning of the core and the base, in contact with metal parts of the core and the base; and

definitive fixation means for the diamond shaped joint to the core motor and temporary fixation means for the diamond shaped joint to one of the core and the base, the temporary fixation means includes a wall extending substantially orthogonally from an edge of the diamond shaped joint and externally surrounds the outer periphery of the mating flange of the core when the diamond shaped joint and the core are assembled together.

17. (Previously Presented) The gear motor according to claim 16, wherein the temporary fixation means includes at least one clipping lug connected to one of the wall and on the diamond shaped joint, the at least one clipping lug formed as a substantially J-shaped element for snap fitting around the outer periphery of the mating flange on the core.

18. (Previously Presented) The gear motor according to claim 17 further comprising:

an access orifice in the lug to provide means for removing the temporary fixation means.

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19. (Previously Presented) The gear motor according to claim 13 further comprising:

cooperating fixation means of the diamond shaped joint to the core motor and stop means for angular positioning of the diamond shaped joint in relation to the core motor around an axis of the core motor.

20. (Previously Presented) The gear motor according to claim 12, wherein one of the core and the base have at least one cylindrical sector, the diamond shaped joint having an opening able to receive the cylindrical sector and at least one stop projecting into the opening.

21. (Previously Presented) The gear motor according to claim 12, wherein the diamond shaped joint sealing material comprises a plastic material.

22. (Currently Amended) A manufacturing process of a gear motor comprising the steps of:

connecting a diamond shaped joint including a sealing material means for reducing the gear motor noise, to one of a core and a base by temporary fixation means;

positioning the diamond shaped joint between the core and the base;
and

fixing the diamond shaped joint, the core, and the base by definitive fixation means, such that electrical current conducts between the core and the base through at least one metal element associated with the diamond shaped joint.

23. (Currently Amended) A motor vehicle wiper gear motor manufactured by the process according to claim 22 comprising:

a core motor attached to a reduction gear base, the core and base having metal mating flanges with outer peripheries protruding away from the core and the base, respectively; and

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a diamond shaped joint interposed between the core and the base, the diamond shaped joint including ~~a sealing material and~~ at least one metal element as a stop means for precise positioning of the core and the base, in contact with metal parts of the core and the base, the at least one metal element operable to conduct electrical current between the core and the base.

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